Yamina Silva

List of Publications by Year
in descending order

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38 papers	894 citations	516561 16 h-index	552653 26 g-index
43 all docs	43 docs citations	43 times ranked	905 citing authors

#	Article	IF	Citations
1	The GPM-DPR blind zone effect on satellite-based radar estimation of precipitation over the Andes from a ground based Ka-band profiler perspective. Journal of Applied Meteorology and Climatology, 2022, , .	0.6	3
2	Field Campaign Evaluation of Sensors Lufft GMX500 and MaxiMet WS100 in Peruvian Central Andes. Sensors, 2022, 22, 3219.	2.1	1
3	On the dynamic mechanisms of intense rainfall events in the central Andes of Peru, Mantaro valley. Atmospheric Research, 2021, 248, 105188.	1.8	10
4	Analysis of Extreme Meteorological Events in the Central Andes of Peru Using a Set of Specialized Instruments. Atmosphere, 2021, 12, 408.	1.0	4
5	Dataset on the first weather radar campaign over Lima, Peru. Data in Brief, 2021, 35, 106937.	0.5	1
6	Assessment of CMIP6 Performance and Projected Temperature and Precipitation Changes Over South America. Earth Systems and Environment, 2021, 5, 155-183.	3.0	103
7	Evaluation of GPM Dual-Frequency Precipitation Radar Algorithms to Estimate Drop Size Distribution Parameters, Using Ground-Based Measurement over the Central Andes of Peru. Earth Systems and Environment, 2021, 5, 597-619.	3.0	6
8	Influence of PBL parameterization schemes in WRF_ARW model on short - range precipitation's forecasts in the complex orography of Peruvian Central Andes. Atmospheric Research, 2020, 233, 104708.	1.8	20
9	Impacts of topography and land use changes on the air surface temperature and precipitation over the central Peruvian Andes. Atmospheric Research, 2020, 234, 104711.	1.8	37
10	Diurnal Cycle of Raindrops Size Distribution in a Valley of the Peruvian Central Andes. Atmosphere, 2020, 11, 38.	1.0	11
11	Precipitation structure during various phases the life cycle of precipitating cloud systems using geostationary satellite and space-based precipitation radar over Peru. GIScience and Remote Sensing, 2020, 57, 1057-1082.	2.4	9
12	Highâ€Elevation Monsoon Precipitation Processes in the Central Andes of Peru. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD032947.	1.2	7
13	Rainfall Characteristics in the Mantaro Basin over Tropical Andes from a Vertically Pointed Profile Rain Radar and In-Situ Field Campaign. Atmosphere, 2020, 11, 248.	1.0	21
14	Dataset on raindrop size distribution, raindrop fall velocity and precipitation data measured by disdrometers and rain gauges over Peruvian central Andes (12.0Â°S). Data in Brief, 2020, 29, 105215.	0.5	4
15	Change of the Rainfall Seasonality Over Central Peruvian Andes: Onset, End, Duration and Its Relationship With Large-Scale Atmospheric Circulation. Climate, 2020, 8, 23.	1.2	18
16	Statistical characterization of vertical meteorological profiles obtained with the WRF-ARW model on the central Andes of Peru and its relationship with the occurrence of precipitation on the region. Atmospheric Research, 2020, 239, 104915.	1.8	3
17	Distribution of hydrometeors in monsoonal clouds over the South American continent during the austral summer monsoon: GPM observations. International Journal of Remote Sensing, 2020, 41, 3677-3707.	1.3	11
18	Effect of low-level flow and Andes mountain on the tropical and mid-latitude precipitating cloud systems: GPM observations. Theoretical and Applied Climatology, 2020, 141, 157-172.	1.3	9

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19	Multi-Instrument Rainfall-Rate Estimation in the Peruvian Central Andes. Journal of Atmospheric and Oceanic Technology, 2020, 37, 1811-1826.	0.5	5
20	Vertical characteristics of radar reflectivity and DSD parameters in intense convective clouds over South East South Asia during the Indian Summer monsoon: GPM observations. International Journal of Remote Sensing, 2019, 40, 9604-9628.	1.3	12
21	Seasonal and Regional Differences in Extreme Rainfall Events and Their Contribution to the Worldâ€™s Precipitation: GPM Observations. Advances in Meteorology, 2019, 2019, 1-15.	0.6	17
22	Groundwater Buffers Decreasing Glacier Melt in an Andean Watershedâ€"But Not Forever. Geophysical Research Letters, 2019, 46, 13016-13026.	1.5	41
23	The Impact of Microphysics Parameterization in the Simulation of Two Convective Rainfall Events over the Central Andes of Peru Using WRF-ARW. Atmosphere, 2019, 10, 442.	1.0	23
24	Response of the WRF model to different resolutions in the rainfall forecast over the complex Peruvian orography. Theoretical and Applied Climatology, 2019, 137, 2993-3007.	1.3	30
25	First two and a half years of aerosol measurements with an AERONET sunphotometer at the Huancayo Observatory, Peru. Atmospheric Environment: X, 2019, 3, 100037.	0.8	10
26	Effect of the surface wind flow and topography on precipitating cloud systems over the Andes and associated Amazon basin: GPM observations. Atmospheric Research, 2019, 225, 193-208.	1.8	31
27	Seasonal and Diurnal Cycles of Surface Boundary Layer and Energy Balance in the Central Andes of PerÃº, Mantaro Valley. Atmosphere, 2019, 10, 779.	1.0	11
28	Extreme Rainfall Forecast with the WRF-ARW Model in the Central Andes of Peru. Atmosphere, 2018, 9, 362.	1.0	34
29	Climatology of extreme cold events in the central Peruvian Andes during austral summer: origin, types and teleconnections. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 2693-2714.	1.0	5
30	Sensitivity Study on the Influence of Parameterization Schemes in WRF_ARW Model on Short- and Medium-Range Precipitation Forecasts in the Central Andes of Peru. Advances in Meteorology, 2018, 2018, 1-16.	0.6	27
31	Spatial analysis and temporal trends of daily precipitation concentration in the Mantaro River basin: central Andes of Peru. Stochastic Environmental Research and Risk Assessment, 2017, 31, 1305-1318.	1.9	43
32	Teleconnections between the Peruvian Central Andes and Northeast Brazil during Extreme Rainfall Events in Austral Summer. Journal of Hydrometeorology, 2016, 17, 499-515.	0.7	44
33	A framework for the science contribution in climate adaptation: Experiences from science-policy processes in the Andes. Environmental Science and Policy, 2015, 47, 80-94.	2.4	45
34	Revisiting wintertime cold air intrusions at the east of the Andes: propagating features from subtropical Argentina to Peruvian Amazon and relationship with large-scale circulation patterns. Climate Dynamics, 2013, 41, 1983-2002.	1.7	47
35	Sensitivity studies of the RegCM3 simulation of summer precipitation, temperature and local wind field in the Caribbean Region. Theoretical and Applied Climatology, 2006, 86, 5-22.	1.3	52
36	El NiÃ±o â€“ related precipitation variability in PerÃº. Advances in Geosciences, 0, 14, 231-237.	12.0	81

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37	A multi-institutional and interdisciplinary approach to the assessment of vulnerability and adaptation to climate change in the Peruvian Central Andes: problems and prospects. Advances in Geosciences, 0, 14, 257-260.	12.0	16
38	Dry and wet rainy seasons in the Mantaro river basin (Central Peruvian Andes). Advances in Geosciences, 0, 14, 261-264.	12.0	38